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ROBUST MATERIALS TECHNOLOGY PVT. LTD.
(ISO-9001-2008, OHSAS 18001:2007 Certified Laboratory)
NABL Accredited Laboratory
No. 94, 2nd Floor, Thirumala Complex, Nagarabhavi Main Road, NGEF Layout,
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info@robustmaterials.com, www.robustmaterials.com

ISO 9001:2008
Certificate No. 685414
OHSAS 18001:2007
Certificate No. 713512

TEST REPORT

To, **BBMP** Providing drinking water works in ward No.4, Yelahanka Division, Bengaluru.	Report No. : RCA/1709/0015 Report date : 12/09/2017 Ref. : Test Request Form Ref. Date : 10/09/2017 Job Order No : RCA/1709/0015 Date : 10/09/2017 Date of Analysis : 10/09/2017 to 12/09/2017
Sample Particulars: One sample of RO treated water.	
	Sample Qty : 2 Ltrs

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500 : 2012	Maximum Permissible Limit IS 10500 : 2012	Protocol
Description: Colorless liquid.					
1	Color (hazen units)	<2.0	5	15	IS 3025 (Part – 4) : 1983
2	Odor	Agreeable	Agreeable	Agreeable	IS 3025 (Part – 5) : 1983
3	Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part – 8) : 1984
4	pH Value	6.6	6.5 – 8.5	No relaxation	IS 3025 (Part – 11) : 1983
5	Turbidity, NTU	0.9	1	5	IS 3025 (Part – 10) : 1984
6	Chloride as Cl, mg/L	9.3	250	1000	IS 3025 (Part – 32) : 1988
7	Total hardness as $CaCO_3$, mg/L	11.9	200	600	IS 3025 (Part – 21) : 2009
8	Calcium as Ca, mg/L	1.6	75	200	IS 3025 (Part – 40) : 1991
9	Magnesium as Mg, mg/L	1.93	30	100	IS 3025 (Part – 46) : 1994
10	Dissolved Solids, mg/L	18.0	500	2000	IS 3025 (Part – 16) : 1984
11	Sulphate as SO_4, mg/L	BDL	200	400	IS 3025 (Part – 24) : 1986
12	Fluoride as F, mg/L	BDL	1.0	1.5	APHA 22nd Edition
13	Chromium as Cr^+, mg/L	BDL	0.05	No relaxation	IS 3025 (Part – 52) : 2003
14	Residual Free Chlorine, mg/L	<0.2	0.2	1	IS 3025 (Part – 26) : 1986
15	Alkalinity as $CaCO_3$, mg/L	8.7	200	600	IS 3025 (Part – 23) : 1986
16	Nitrates as NO_3, mg/L	BDL	45	No relaxation	IS 3025 (Part – 34) : 1988
17	Copper as Cu, mg/L	BDL	0.05	1.5	IS 3025 (Part – 42) : 1992
18	Iron as Fe, mg/L	BDL	0.3	No relaxation	IS 3025 (Part – 53) : 2003
19	Manganese as Mn, mg/L	BDL	0.1	0.3	IS 3025 (Part – 59) : 2006
20	Phenolic compounds as C_6H_5OH, mg/L	Absent	0.001	0.002	IS 3025 (Part – 43) : 1992

AE W4

Authorized Signatory

Dr. K.R Ravikumar

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Report date	: 12/09/2017
Ref.	: Test Request Form
Ref. Date	: 10/09/2017
Job Order No	: RCA/1709/0015
Date	: 10/09/2017
Date of Analysis	: 10/09/2017 to 12/09/2017

Sample Particulars: One sample of RO treated water.

Sample Qty : 2Ltrs

Sl. No.	Tests	Results	Maximum Desirable Limit IS 10500 : 2012	Maximum Permissible Limit IS 10500 : 2012	Protocol
21	Mercury as Hg, mg/L	BDL	0.001	No relaxation	IS 3025 (Part – 48) : 1994
22	Cadmium as Cd, mg/L	BDL	0.003	No relaxation	IS 3025 (Part – 41) : 1992
23	Selenium as Se, mg/L	BDL	0.01	No relaxation	IS 3025 (Part – 56) : 2003
24	Arsenic as As, mg/L	BDL	0.01	No relaxation	IS 3025 (Part – 37) : 1988
25	Cyanide as CN, mg/L	Absent	0.05	No relaxation	APHA 22nd Edition
26	Lead as Pb, mg/L	BDL	0.01	No relaxation	IS 3025 (Part – 47) : 1994
27	Zinc as Zn, mg/L	BDL	5	15	IS 3025 (Part – 49) : 1994
28	Anionic detergents as MBAS, mg/L	Absent	0.20	1.0	Annex K of IS : 13428 : 2005
29	Aluminium as Al, mg/L	<0.1	0.03	0.2	IS 3025 (Part – 55) : 1991
30	Boron as B, mg/L	BDL	0.5	1.0	APHA 22nd Edition

Note: BDL for Cr: 0.05, Cu: 0.05, Fe: 0.05, Mn:0.05, Hg: 0.005, Cd:0.01, Se:0.005, As:0.005, Pb:0.05, Al:0.02,B:0.3,Zn:0.05.

----------END OF THE REPORT----------

NEW4

Authorized Signatory

Dr. K.R Ravikumar

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Sample Particulars: One sample of RO treated water.	

Microbiological Tests:

Tests	Results	LIMITS Acceptable limits as per IS: 10500:2012	Protocol
Description: Colorless and clear transparent liquid filled in sterilized bottle			
Coliform Organism / 100ml	Less than 1	Less than 1	IS 1622 – 1981
Escherichia coli / 100ml	Absent	Absent	IS 1622 – 1981

Remarks: The given water sample conforms to IS: 10500-2012 specification for above tested parameters.

----------END OF THE REPORT----------

AE W4

Authorized Signatory

For R.Ravikumar

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